

**ABSTRACT OF THE DISCLOSURE****SYSTEM AND METHOD FOR EXPOSING HIDDEN EVENTS  
ON SYSTEM BUSES**

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A method and system for tracking intra-chip events within a data processing system. In accordance with the method of the present invention, an event that corresponds to a state associated with one or more internal chip signals is detected by embedded detection logic. In response to an asserted diagnostic enable flag, the event is recorded within a designated diagnostic transaction queue within an interface device that drives an off-chip system interconnect. The event is encoded within a diagnostic packet that is issued onto the off-chip system interconnect from the interface device.

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